

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously withdrawn):

Claims 2-3 (previously cancelled)

Claim 4 (previously withdrawn):

Claims 5-17 (previously cancelled)

Claim 18 (currently amended): A method for therapeutic treatment of neurodegenerative conditions and effects of aging, including autoimmune conditions and fibromyalgia, said method comprising the steps of:

administering to a patient [~~on an ongoing basis~~] a compound effective for increasing neuronal metabolism of histamine to a histamine H₂ agonist, in an amount sufficient that said histamine H₂ agonist is produced in an amount adequate to stimulate [~~and sustain~~] production of cyclic AMP at a level which maintains myelin against undergoing self-degeneration;

the step of administering said compound comprising administering monoamine oxidase-A to said patient in accordance with a regimen that provides a predetermined daily dosage of said monoamine oxidase-A so as to increase neuronal metabolism of tele-methylhistamine to an H₂ agonist

Claim 19 (previously withdrawn):

Claim 20 (previously withdrawn):

Claim 21 (currently amended): A method for therapeutic treatment of neurodegenerative conditions and effects of aging, including autoimmune conditions and fibromyalgia, said method comprising the steps of:

administering to a patient [~~on an ongoing basis~~] a compound effective for increasing neuronal metabolism of histamine to a histamine H₂ agonist, in an amount sufficient that said histamine H₂ agonist is produced in an amount adequate to stimulate [~~and sustain~~] production of cyclic AMP at a level which maintains myelin against undergoing self-degeneration;

the step of administering said compound comprising administering a monoamine oxidase-A agonist to said patient in accordance with a regimen that provides a predetermined daily dosage of said monoamine oxidase-A agonist so as to increase neuronal metabolism of tele-methylhistamine to an H₂ agonist.

Claim 22 (previously added): The method of claim 21, wherein said monoamine oxidase-A agonist is reserpine.

Claim 23 (previously added): The method of claim 22, wherein the step of administering said monoamine oxidase-A agonist comprises:

administering reserpine by slow-release transdermal dose.

Claim 24 (previously added): The method of claim 21, wherein the step of administering said monoamine oxidase-A agonist comprises:

administering reserpine by injection in the range from about 1-10 mg/kg S.C. per day.